

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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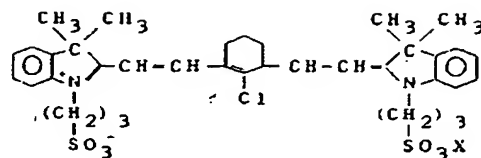
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APPLICANT : DAINIPPON PRINTING CO LTD;

INVENTOR : KOMORI TETSUO;

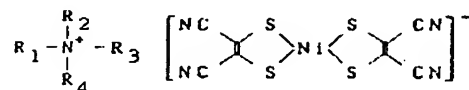
INT.CL. : B41M 5/26 G11B 7/24

TITLE : COMPOSITION FOR OPTICAL  
RECORDING MATERIAL



(ただし、上式 (1) 中において、X は、H、  
N または K である。)

(1)



(ただし、上式 (2) 中、R1、R2、R3 お  
よび R4 は、炭素数 1 ~ 30 のアルキル基であ  
る。)

(2)

ABSTRACT : PURPOSE: To obtain an optical recording material with satisfactory absorption to laser beam of an infrared or near infrared wavelength range by adding a mixture of specific cyanine compound with dithiolate nickel complex having alkylammonium as a counter ion.

CONSTITUTION: A composition contains a mixture of a cyanine compound expressed by formula (1) and a dithiolate nickel complex having alkylammonium as a counter ion expressed by formula (2). In addition, the composition has a recording layer 2 on the surface of a basic material 1. In this case, the ideal thickness of the recording layer is about 1-20 $\mu$ m. If the recording layer is excessively thin, a correct laser focus is not obtained when information is written. In the meantime, if the layer is excessively thick, sharp pits are hardly formed due to heat diffusion. The recording layer thus obtained has satisfactory absorption properties in a semiconductor laser wavelength range of 750-950nm.

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